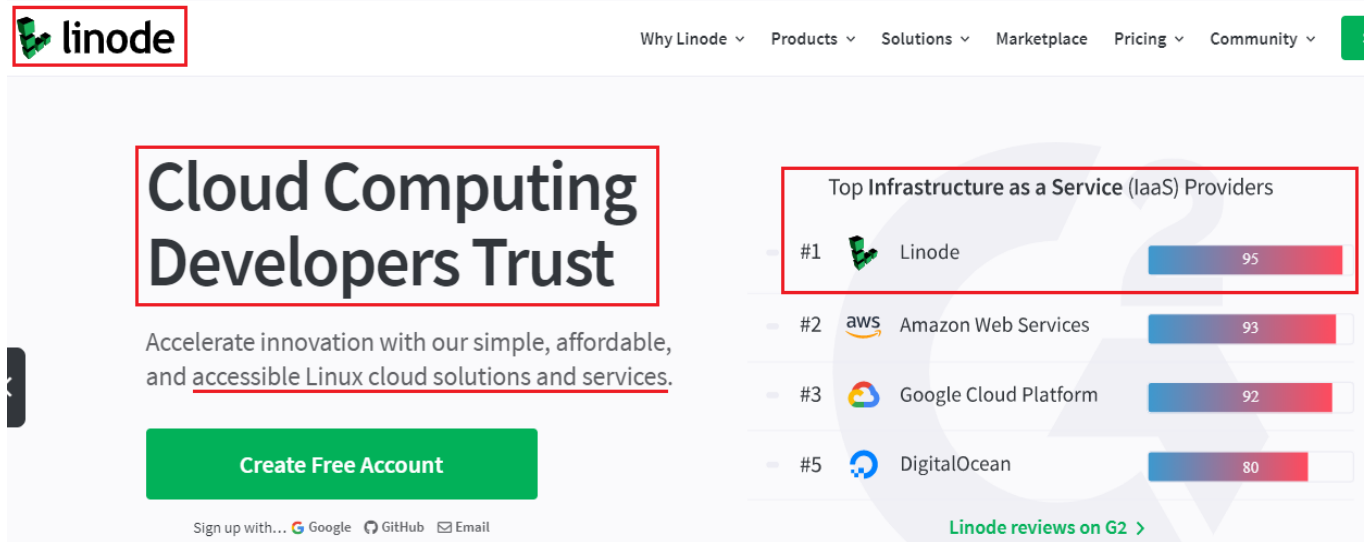



## EXHIBIT D


US10057219B2	Linode ("The accused system")
<p>1. A remote data processing method implemented by a server system for a user system via the Internet, the server system having memory associated therewith, the method comprising:</p>	<p>The accused system practices a remote data processing (e.g., cloud computing, cloud analysis, etc.) method implemented by a server system (e.g., Linode cloud server) for a user system (e.g., a user computer system) via the Internet, the server system (e.g., Linode cloud server) having memory (e.g., memory of Linode cloud servers) associated therewith.</p> <p>The accused system provides cloud infrastructure to perform remote cloud computing, analysis, development, etc.</p>  <p><a href="https://www.linode.com/">https://www.linode.com/</a></p>



Why Linode ▾ Products ▾ Solutions ▾ Marketplace Pricing ▾ Community ▾


# Simple.

Easily deploy cloud compute, storage, and networking in seconds with a full-featured API, CLI, and Cloud Manager user-friendly interface.




## API

Programmatic control of your infrastructure



## CLI


Command line access to your servers



## UI

Intuitive Cloud Manager interface

<https://www.linode.com/>



Why Linode

Products


Solutions


Marketplace


Pricing


Comm


## Explore our solutions


  
Kubernetes

  
Video Streaming

  
Cloud GPUs

  
Machine Learning

  
Marketplace

  
eLearning

Create

Linode

High performance SSD Linux servers

Volume

Attach additional storage to your Linode

NodeBalancer

Ensure your services are highly available

Domain

Manage your DNS records

Kubernetes

Highly available container workloads

Bucket

S3-compatible object storage

Marketplace

Deploy applications with ease

Cluster Summary

Dedicated 8GB Plan  
4 CPUs, 160 GB Storage

-

3


+

\$180.00/month

\$180.00/mo


Create Cluster


<https://www.linode.com/>


 **linode**


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## Explore our solutions


  
Kubernetes

  
Video Streaming

  
Cloud GPUs

  
Machine Learning


  
Marketplace


  
eLearning


Linodes / Create


Distributions Marketplace StackScripts


Select App

 WordPress - Latest ⓘ

 OpenLiteSpeed WordPress ⓘ

 Plesk ⓘ


 Jitsi ⓘ

 OpenVPN

v2.4.7-1.900 | Debian

Widely trusted, free source virtual private application


Security

 MySQL/MariaDB


Latest | Debian 9

World's most popular open source database

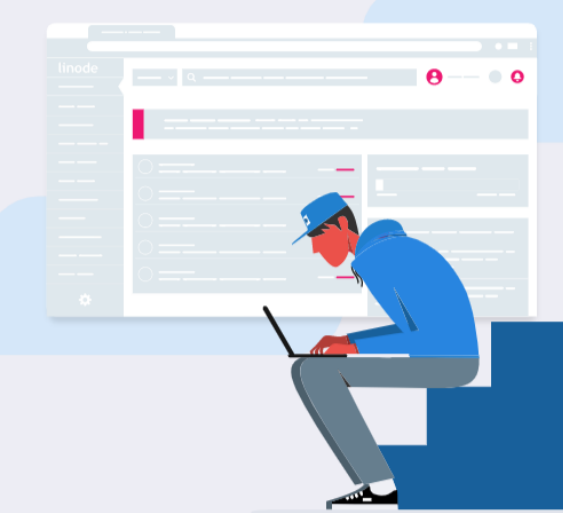
Databases

 Nextcloud

PLEX Plex ⓘ



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CLOUD MANAGER

# Easily manage your infrastructure

Cloud Manager is a user- and mobile-friendly interface to deploy and manage virtual machines, configure networking, and control user accounts.

Create Account

<https://www.linode.com/products/cloud-manager/>



Why Linode

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Search for Linodes, Volumes, NodeBalancers, Domains, Tags...



0

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Create New Linode


Distributions


One-Click


My Images


Choose a Distribution


Alpine  
Alpine 3.10


Arch  
Arch Linux


CentOS  
CentOS 7


CoreOS  
CoreOS Container Linux

Debian  
Debian 9

Fedora  
Fedora 30

Gentoo  
Gentoo

Slackware  
Slackware 14.2

Ubuntu  
Ubuntu 19.04

Linode Summary


Debian  
Debian 9

Linode Label  
debian

\$0.00/mo

Create

<https://www.linode.com/products/cloud-manager/>



Why Linode

Products

Solutions


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Search for Linodes, Volumes, NodeBalancers, Domains, Tags...



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linode

Dashboard

Linodes

Volumes

NodeBalancers

Domains

Longview

StackScripts


Images

Account

Get Help

Dashboard


Linodes

Skyfactory\_server

Debian 9, Linode 4GB: 2 CPU, 80GB Storage, 4GB RAM

Newark, NJ

Volumes

volume1

20 GiB

Unattached

Dallas, TX

NodeBalancers

No items to display.

Domains

No items to display.

This Month's Network Transfer Pool

You have used <1% of your available network transfer during the current billing cycle.

Total: 4000 GB

Used: 1 GB

Free: 3999 GB

Back Up Your Data and Keep it Safe

Linode Backup Auto-Enrollment

If you enable this global setting, new Linodes will be automatically enrolled in the Backups service.

<https://www.linode.com/products/cloud-manager/>




Region


Determine the best location for your Linode.


North America

Europe

Asia

 **UK**  
London, UK

 **DE**  
Frankfurt, DE



Linode Plan

Nanode

Standard

Dedicated CPU


High Memory

GPU

Dedicated CPU instances are good for full-duty workloads where consistent performance is important.

<div><div>Dedicated 4GB</div><div>\$30/mo (\$0.045/hr)</div><div>2 CPU, 80GB Storage, 4GB RAM</div></div>	<div><div>Dedicated 8GB</div><div>\$60/mo (\$0.09/hr)</div><div>4 CPU, 160GB Storage, 8GB RAM</div></div>	<div><div>Dedicated 16GB</div><div>\$120/mo (\$0.18/hr)</div><div>8 CPU, 320GB Storage, 16GB RAM</div></div>
<div><div>Dedicated 32GB</div><div>\$240/mo (\$0.36/hr)</div><div>16 CPU, 640GB Storage, 32GB RAM</div></div>	<div><div>Dedicated 64GB</div><div>\$480/mo (\$0.72/hr)</div><div>32 CPU, 1280GB Storage, 64GB RAM</div></div>	<div><div>Dedicated 96GB</div><div>\$720/mo (\$1.08/hr)</div><div>48 CPU, 1920GB Storage, 96GB RAM</div></div>

<https://www.linode.com/products/cloud-manager/>



linode

Dashboard

Linodes

Volumes

NodeBalancers

Domains

Longview

StackScripts

Images

Account

Get Help

Create

Search for Linodes, Volumes, NodeBalancers, Domains, Tags...

Why Linode

Products

Solutions

Marketplace

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Communi

0

17

< Linodes

ubuntu-eu-central

Launch Console

Running

Summary

Volumes

Networking

Resize

Rescue

Rebuild

Backups

Activity

Settings

Advanced

Dedicated 8GB: 4 CPU, 160GB Storage, 8GB RAM

Activity Feed

View More Activity

Linode ubuntu-eu-central has booted.

a few seconds ago

Linode ubuntu-eu-central has been created.

a few seconds ago

Last 24 Hours

CPU Usage

Graphs for this Linode are not yet available – check back later

IPv4 Traffic

Linode Details

Ubuntu 19.04

Volumes: 0

Frankfurt, DE

IP Addresses


172.105.68.185

2a01:7e01::f03c:91ff:fe8c:8a23

Monthly Network Transfer

You have used <1% of your available Network Transfer quota for this Linode's plan (5000.GB).

<https://www.linode.com/products/cloud-manager/>



Why Linode ▾ Products ▾ Solutions ▾ Marketplace Pricing ▾ Community ▾ 

Sign Up

Heuristics Information

### Performance Monitoring

Real-time analytics tracking, per-process and in aggregate, monitoring the performance of your CPU, memory, and network bandwidth.

Adaptive Themes

The choice is yours. Cloud Manager's interface can be configured for Light or Dark Mode with a flip of a switch.

Personal Access Tokens

Manage your API Keys and add personal access tokens for more control over your Linode services.

Compact Mode

Need to see more resources on a single page? Enable "compact" mode to make it easier to view and manage your resources.

Linode Images

Take a snapshot of your disks and deploy them to any Linode in your account in Cloud Manager.

User Access Controls

Share access to your Linodes with your team by adding multiple users. Controls are configurable for each individual user.

Cost determination based on heuristics

### Payment and Billing

Manage your account, update payment information, review credits remaining, and print invoices.

<https://www.linode.com/products/cloud-manager/>

Plurality of Instances (cloud processing services)

Compute

Storage

Networking

Services

Compare Pricing

What's Included

FAQs

Cost determination

RAM	CPU	Storage	Transfer	Network In	Network Out	Price
1 GB	1 Core	25 GB SSD	1 TB	40 Gbps	1000 Mbps	<div>\$5 / mo</div> <div>(\$ .0075 / hr)</div>
2 GB	1 Core	50 GB SSD	2 TB	40 Gbps	2000 Mbps	<div>\$10 / mo</div> <div>(\$ .015 / hr)</div>
4 GB	2 Cores	80 GB SSD	4 TB	40 Gbps	4000 Mbps	<div>\$20 / mo</div> <div>(\$ .03 / hr)</div>
8 GB	4 Cores	160 GB SSD	5 TB	40 Gbps	5000 Mbps	<div>\$40 / mo</div> <div>(\$ .06 / hr)</div>
16 GB	6 Cores	320 GB SSD	8 TB	40 Gbps	6000 Mbps	<div>\$80 / mo</div> <div>(\$ .12 / hr)</div>
32 GB	8 Cores	640 GB SSD	16 TB	40 Gbps	7000 Mbps	<div>\$160 / mo</div> <div>(\$ .24 / hr)</div>

<https://www.linode.com/pricing/>

	<div data-bbox="846 212 1888 240"> <a href="#">Compute</a> <a href="#">Storage</a> <a href="#">Networking</a> <a href="#">Services</a> <a href="#">Compare Pricing</a> <a href="#">What's Included</a> <a href="#">FAQs</a> </div> <div data-bbox="685 304 1104 344"> <h3>How does hourly billing work?</h3> </div> <div data-bbox="685 368 1305 687"> <p>You are charged the hourly rate for a service up to its monthly cap (rates get rounded up to the nearest hour). For example, if you create a 1GB Linode and delete it after 24 hours of use, you would be billed \$0.18 (24 hours x .0075/hr). You will receive an invoice on the first day of the following calendar month; however, you may receive a mid-month invoice if your account reaches a certain billing limit for Linode services used within a single month. Payment collection occurs automatically once an invoice gets generated. <a href="#">Learn more.</a></p> </div> <div data-bbox="663 759 1093 794"> <a href="https://www.linode.com/pricing/">https://www.linode.com/pricing/</a> </div> <div data-bbox="1413 304 1803 344"> <h3>What plan should I choose?</h3> </div> <div data-bbox="1413 368 2038 592"> <p>If you're not sure, we recommend that you start small and work your way up. <u>You can resize your Linode up or down at any time.</u> If you're planning to migrate your workload from on-premises or between cloud providers, we recommend using our <a href="#">Total Cost of Ownership Cloud Pricing Calculator</a> to receive a full cost breakdown and technical recommendations. <a href="#">Learn more.</a></p> </div> <div data-bbox="1305 647 1624 711" style="border: 1px solid red; padding: 2px;"> <p>Cost determination based on heuristics</p> </div> <div data-bbox="1659 635 2051 730" style="border: 1px solid red; padding: 2px;"> <p>User can select/remove any VM configuration (cloud processing service)</p> </div>
--	--

Images

Domains

Kubernetes

Object Storage

Longview

Marketplace

Account

Help & Support

Linode 32GB

Linode 64GB

Linode 96GB

Linode 128GB

Linode 192GB

\$160	\$0.24	32 GB	8	640 GB
\$320	\$0.48	64 GB	16	1280 GB
\$480	\$0.72	96 GB	20	1920 GB
\$640	\$0.96	128 GB	24	2560 GB
\$960	\$1.44	192 GB	32	3840 GB

Based on heuristics information automatic resizer upgrade Linode's new size (cost optimization)

Auto Resize Disk

☒

Would you like Debian 10 Disk to be automatically scaled with this Linode's new size? We recommend you keep this option enabled when available. Automatic resizing is only available when moving to a larger plan, and when you have a single ext disk (or one ext and one swap disk) on your Linode.

<https://www.linode.com/docs/guides/resizing-a-linode/>

## Libraries & Clients

Incorporate Linode products and services into your application code by installing Linode's official programming language libraries and clients.

Information about computing algorithms stored at Linode's server

### Linode Python Library

Install the official Python library for the Linode API v4

```
$ pip install linode_api4
```

### Linode JavaScript SDK

Install the official Javascript library for the Linode API v4



```
$ npm install @linode/api-v4
```

### Go Client Library

Install the GO client library for the Linode API v4

```
$ go get -u github.com/linode/linodego
```

<https://www.linode.com/products/linode-api/>

	<div data-bbox="739 231 1420 437"><h1>Linode One-Click App Marketplace</h1></div> <div data-bbox="743 475 1415 517"><p>Explore and deploy applications in seconds.</p></div> <div data-bbox="752 568 1169 667"><p>Browse Marketplace</p></div> <div data-bbox="978 726 1570 775"><h2>Fully-configured One-Click Apps</h2></div> <div data-bbox="772 798 1778 885"><p>Choose one of the popular marketplace apps, select configuration options, and click deploy. It's that simple. Whether you're setting up a new development environment or a Minecraft server for the kids, you can have your code running with a click.</p></div> <div data-bbox="696 1016 840 1074"></div> <div data-bbox="875 994 1240 1102"><p><b>App Creation, Simplified</b></p><p>No more jumping through hoops to get your software up and running. Use One-Click to launch new Linodes with ready-to-run apps and services.</p></div> <div data-bbox="1326 994 1429 1096"></div> <div data-bbox="1482 994 1843 1126"><p><b>Customize Your Apps</b></p><p>Run your apps the way you want. If the default configuration doesn't meet your needs, you can customize the app's resources, location, metadata, and more during creation.</p></div> <div data-bbox="660 1145 1158 1182"><p><a href="https://www.linode.com/marketplace/">https://www.linode.com/marketplace/</a></p></div>
<p>storing, in the memory associated with the server system, computing information about at least one computing algorithm available via</p>	<p>The accused system practices storing, in the memory (e.g., memory of Linode cloud servers) associated with the server system (e.g., Linode cloud servers), computing information about at least one computing algorithm (e.g., Marketplace app, software, APIs, etc.) available via the server system (e.g., Linode cloud servers) at a plurality of cloud processing services (e.g., Linode instances, Virtual machines, etc.) over the Internet.</p>



the server system at a plurality of cloud processing services over the Internet;

As shown below, Linode provides a management console to a user. The user can select Marketplace App such as WooCommerce, Software, APIs, etc. from, Linode or other vendors provided at Linode marketplace in the management console. Also, Linode cloud infrastructure provides Linode cloud manager which stores usages pattern, log information, performance of CPU, memory, network bandwidth, etc. of Linode cloud products. Its auto resizer (e.g., a server system) utilizes the information from server to analyze utilization behavior and upgrades (optional service chosen by user) for an optimum configuration and usages of cloud resources (Virtual Machines).

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## Cloud Computing Developers Trust

Accelerate innovation with our simple, affordable, and accessible Linux cloud solutions and services.

[Create Free Account](#)


Sign up with... Google GitHub Email

### Top Infrastructure as a Service (IaaS) Providers

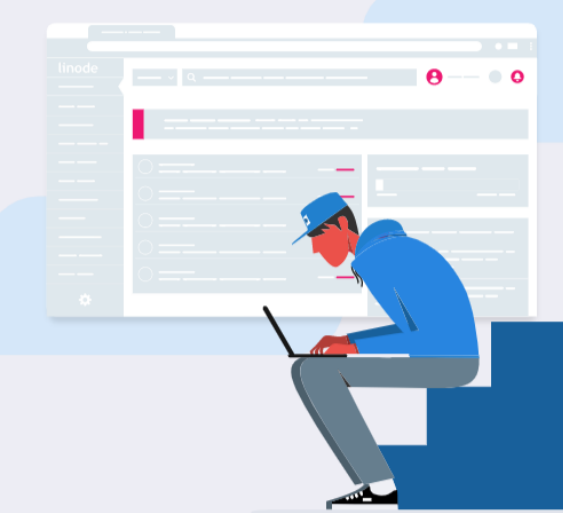
#1	Linode	95
#2	Amazon Web Services	93
#3	Google Cloud Platform	92
#5	DigitalOcean	80

[Linode reviews on G2 >](#)

<https://www.linode.com/>



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CLOUD MANAGER

# Easily manage your infrastructure

Cloud Manager is a user- and mobile-friendly interface to deploy and manage virtual machines, configure networking, and control user accounts.


Create Account

<https://www.linode.com/products/cloud-manager/>




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## Explore our solutions




Kubernetes




Video Streaming




Cloud GPUs



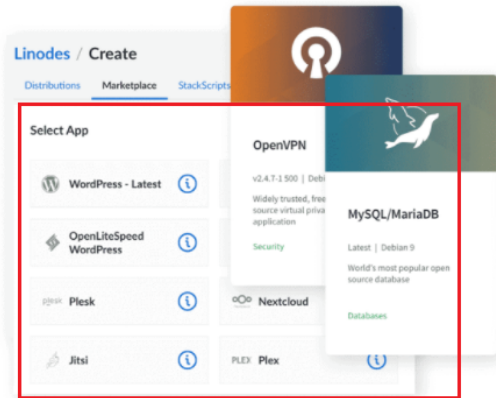
Machine Learning



Marketplace



eLearning



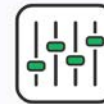



<https://www.linode.com/>

# Linode One-Click App Marketplace


Explore and deploy applications in seconds.

[Browse Marketplace](#)

	<div data-bbox="974 229 1572 284"><h2>Fully-configured One-Click Apps</h2></div> <div data-bbox="770 301 1778 392"><p><u>Choose one of the popular marketplace apps, select configuration options, and click deploy.</u> It's that simple. Whether you're setting up a new development environment or a Minecraft server for the kids, you can have your code running with a click.</p></div> <div data-bbox="1243 443 1299 454"></div> <div data-bbox="694 520 837 577"></div> <div data-bbox="873 497 1115 529"><h3>App Creation, Simplified</h3></div> <div data-bbox="873 539 1240 611"><p>No more jumping through hoops to get your software up and running. Use One-Click to launch new Linodes with ready-to-run apps and services.</p></div> <div data-bbox="1321 497 1424 601"></div> <div data-bbox="1478 497 1697 529"><h3>Customize Your Apps</h3></div> <div data-bbox="1478 539 1843 635"><p>Run your apps the way you want. <u>If the default configuration doesn't meet your needs, you can customize the app's resources, location, metadata, and more during creation.</u></p></div> <div data-bbox="658 651 1160 689"><p><a href="https://www.linode.com/marketplace/">https://www.linode.com/marketplace/</a></p></div>
--	--



[Why Linode](#) [Products](#) [Solutions](#) [Marketplace](#) [Pricing](#)




**GitLab**

Version 13.7.4 | Debian 9

Most popular self-hosted Git tool to manage the DevOps lifecycle

Development




**Plesk**

v17.8 | CentOS 7

Scalable, and versatile website and WordPress management platform

Control Panels




**cPanel**

v84 | CentOS 7

Leading hosting automation platform that has simplified site and server management for 20...

Control Panels




**WooCommerce**


v4.0.1 | Debian 9

Highly customizable eCommerce platform for WordPress.


Website




**Drupal**



**Shadowsocks**



**WordPress**



**Django**

<https://www.linode.com/marketplace/apps/>

Managed

Linodes

Volumes

NodeBalancer

StackScripts

Images

Domains

Kubernetes

Object Storage

Longview

Marketplace

Account

If you're expecting a temporary burst of traffic to your website, or if you're not using your Linode as much as you thought, you can temporarily or permanently resize your Linode to a different plan. [Learn more.](#)

### Linode Plan

Shared CPU Dedicated CPU High Memory GPU

Shared CPU instances are good for medium-duty workloads and are a good mix of performance, resources, and price.

Linode Plan	Monthly	Hourly	RAM	CPUs	Storage
<input type="radio"/> Nanode 1GB	\$5	\$0.0075	1 GB	1	25 GB
<input type="radio"/> Linode 2GB <span>CURRENT PLAN</span>	\$10	\$0.015	2 GB	1	50 GB
<input type="radio"/> Linode 4GB	\$20	\$0.03	4 GB	2	80 GB
<input type="radio"/> Linode 8GB	\$40	\$0.06	8 GB	4	160 GB
<input type="radio"/> Linode 16GB	\$80	\$0.12	16 GB	6	320 GB

Images

Domains

Kubernetes

Object Storage

Longview

Marketplace

Account

Help & Support

<input type="radio"/>	Linode 32GB	\$160	\$0.24	32 GB	8	640 GB
<input type="radio"/>	Linode 64GB	\$320	\$0.48	64 GB	16	1280 GB
<input type="radio"/>	Linode 96GB	\$480	\$0.72	96 GB	20	1920 GB
<input type="radio"/>	Linode 128GB	\$640	\$0.96	128 GB	24	2560 GB
<input type="radio"/>	Linode 192GB	\$960	\$1.44	192 GB	32	3840 GB

Based on heuristics information automatic resizer upgrade Linode's new size (cost optimization)

#### Auto Resize Disk

☒ Would you like Debian 10 Disk to be automatically scaled with this Linode's new size? We recommend you keep this option enabled when available. Automatic resizing is only available when moving to a larger plan, and when you have a single ext disk (or one ext and one swap disk) on your Linode.

<https://www.linode.com/docs/guides/resizing-a-linode/>

## Region

Determine the best location for your Linode.

North America **Europe** Asia



**UK**  
London, UK



**DE**  
Frankfurt, DE



## Linode Plan

Nanode Standard **Dedicated CPU** High Memory GPU

Dedicated CPU instances are good for full-duty workloads where consistent performance is important.

### Dedicated 4GB

\$30/mo (\$0.045/hr)  
2 CPU, 80GB Storage, 4GB RAM

### Dedicated 8GB

\$60/mo (\$0.09/hr)  
4 CPU, 160GB Storage, 8GB RAM

### Dedicated 16GB

\$120/mo (\$0.18/hr)  
8 CPU, 320GB Storage, 16GB RAM

### Dedicated 32GB

\$240/mo (\$0.36/hr)  
16 CPU, 640GB Storage, 32GB RAM

### Dedicated 64GB

\$480/mo (\$0.72/hr)  
32 CPU, 1280GB Storage, 64GB RAM

### Dedicated 96GB


\$720/mo (\$1.08/hr)  
48 CPU, 1920GB Storage, 96GB RAM

<https://www.linode.com/products/cloud-manager/>

The screenshot displays the Linode Cloud Manager interface. On the left is a dark sidebar with navigation links: Dashboard, Linodes, Volumes, NodeBalancers, Domains, Longview, StackScripts, Images, Account, and Get Help. The main content area shows the details for a Linode instance named 'ubuntu-eu-central'. At the top of this area is a 'Create' button and a search bar. Below the instance name, there is a horizontal tab bar with 'Summary' (highlighted with a red box), 'Volumes', 'Networking', 'Resize', 'Rescue', 'Rebuild', 'Backups', 'Activity', 'Settings', and 'Advanced'. The 'Summary' tab displays the instance's specifications: 'Dedicated 8GB: 4 CPU, 160GB Storage, 8GB RAM'. Below this is an 'Activity Feed' with two entries: 'Linode ubuntu-eu-central has booted.' and 'Linode ubuntu-eu-central has been created.', both timestamped 'a few seconds ago'. A 'Last 24 Hours' filter is present. Below the activity feed is a 'CPU Usage' section (highlighted with a red box) which contains the text 'Graphs for this Linode are not yet available - check back later'. To the right of the main content area, there are three panels: 'Linode Details' showing 'Ubuntu 19.04', 'Volumes: 0', and 'Frankfurt, DE'; 'IP Addresses' showing '172.105.68.185' and '2a01:7e01::f03c:91ff:fe8c:8a23'; and 'Monthly Network Transfer' showing a progress bar and the text 'You have used <1% of your available Network Transfer quota for this Linode's plan (5000.GB)'.

<https://www.linode.com/products/cloud-manager/>





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Heuristics Information

### Performance Monitoring

Real-time analytics tracking, per-process and in aggregate, monitoring the performance of your CPU, memory, and network bandwidth.

### Adaptive Themes

The choice is yours. Cloud Manager's interface can be configured for Light or Dark Mode with a flip of a switch.

### Personal Access Tokens

Manage your API Keys and add personal access tokens for more control over your Linode services.

### Compact Mode

Need to see more resources on a single page? Enable "compact" mode to make it easier to view and manage your resources.

Cost determination based on heuristics

### Payment and Billing

Manage your account, update payment information, review credits remaining, and print invoices.

### Linode Images

Take a snapshot of your disks and deploy them to any Linode in your account in Cloud Manager.

### User Access Controls

Share access to your Linodes with your team by adding multiple users. Controls are configurable for each individual user.

<https://www.linode.com/products/cloud-manager/>

Plurality of Instances (cloud processing services)

Compute

Storage

Networking

Services

Compare Pricing

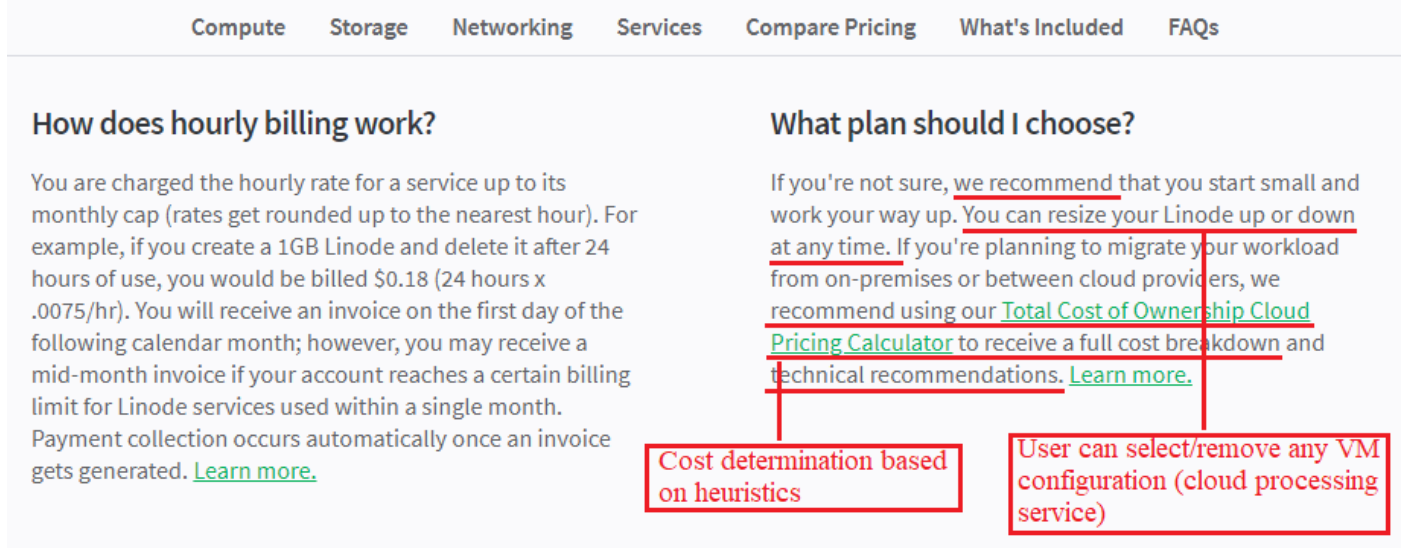
What's Included

FAQs

Cost determination

RAM	CPU	Storage	Transfer	Network In	Network Out	Price
1 GB	1 Core	25 GB SSD	1 TB	40 Gbps	1000 Mbps	<div>\$5 / mo</div> <div>(\$ .0075 / hr)</div>
2 GB	1 Core	50 GB SSD	2 TB	40 Gbps	2000 Mbps	<div>\$10 / mo</div> <div>(\$ .015 / hr)</div>
4 GB	2 Cores	80 GB SSD	4 TB	40 Gbps	4000 Mbps	<div>\$20 / mo</div> <div>(\$ .03 / hr)</div>
8 GB	4 Cores	160 GB SSD	5 TB	40 Gbps	5000 Mbps	<div>\$40 / mo</div> <div>(\$ .06 / hr)</div>
16 GB	6 Cores	320 GB SSD	8 TB	40 Gbps	6000 Mbps	<div>\$80 / mo</div> <div>(\$ .12 / hr)</div>
32 GB	8 Cores	640 GB SSD	16 TB	40 Gbps	7000 Mbps	<div>\$160 / mo</div> <div>(\$ .24 / hr)</div>

<https://www.linode.com/pricing/>

	 <p><a href="https://www.linode.com/pricing/">https://www.linode.com/pricing/</a></p>
<p>compiling, at the server system, first heuristic information indicative of each of the cloud processing services in running the at least one computing algorithm and providing the result over the Internet; making the first heuristic information for the cloud processing services available at the server system to the user system; and</p>	<p>The accused system practices compiling, at the server system (e.g., Linode cloud servers), first heuristic information (e.g., analysis of usages pattern, log information, performance of CPU, memory, network bandwidth etc.) indicative of each of the cloud processing services (e.g., Linode instances, Virtual machines, etc.) in running the at least one computing algorithm (e.g., software, API or app such as marketplace (WooCommerce, PLEX), Kubernetes etc.), providing the result over the Internet and making the first heuristic information (e.g., analysis of usages pattern, log information, performance of CPU, memory, network bandwidth, etc.) for the cloud processing services (e.g., Linode instances, Virtual machines, etc.) available at the server system (e.g., Linode cloud servers) to the user system (e.g., a user computer).</p> <p>As shown below, the accused system determines processing services, e.g., Linode instances, Virtual machines, etc. to run software, API, app, etc. It provides Linode cloud Manager which analyzes usages pattern, log information, performance of CPU, memory, network bandwidth, etc. The cloud manager utilizes the analyzed</p>

information to recommend Linode processing services optimal to use for the software, API, etc. (e.g., selected computing algorithm). It also provides comparison related to predicted future utilization of currently configured processing services and recommended processing services.

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## Cloud Computing Developers Trust

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### Top Infrastructure as a Service (IaaS) Providers

#1	Linode	95
#2	Amazon Web Services	93
#3	Google Cloud Platform	92
#5	DigitalOcean	80

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# Simple.

Easily deploy cloud compute, storage, and networking in seconds with a full-featured API, CLI, and Cloud Manager user-friendly interface.




## API

Programmatic control of your infrastructure



## CLI


Command line access to your servers



## UI


Intuitive Cloud Manager interface

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## Explore our solutions




### Kubernetes




### Video Streaming




### Cloud GPUs



### Machine Learning



### Marketplace



### eLearning

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Linode

High performance SSD Linux servers

Volume

Attach additional storage to your Linode

NodeBalancer

Ensure your services are highly available

Domain

Manage your DNS records

Kubernetes

Highly available container workloads

Bucket

S3-compatible object storage

Marketplace

Deploy applications with ease

Cluster Summary

Dedicated 8GB Plan

4 CPUs, 160 GB Storage

−

3


+

\$180.00/month

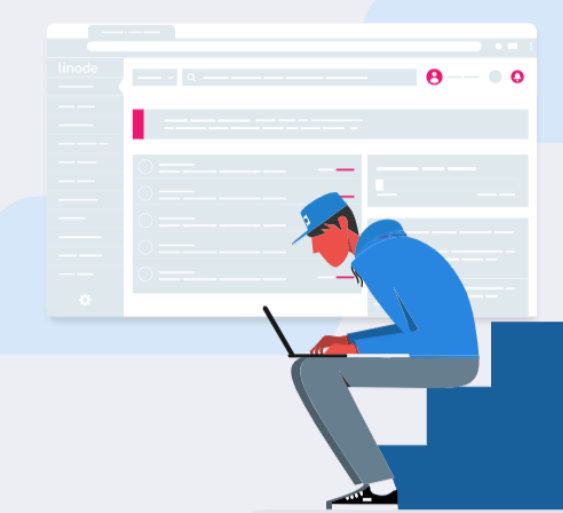
\$180.00/mo

Create Cluster

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CLOUD MANAGER

# Easily manage your infrastructure

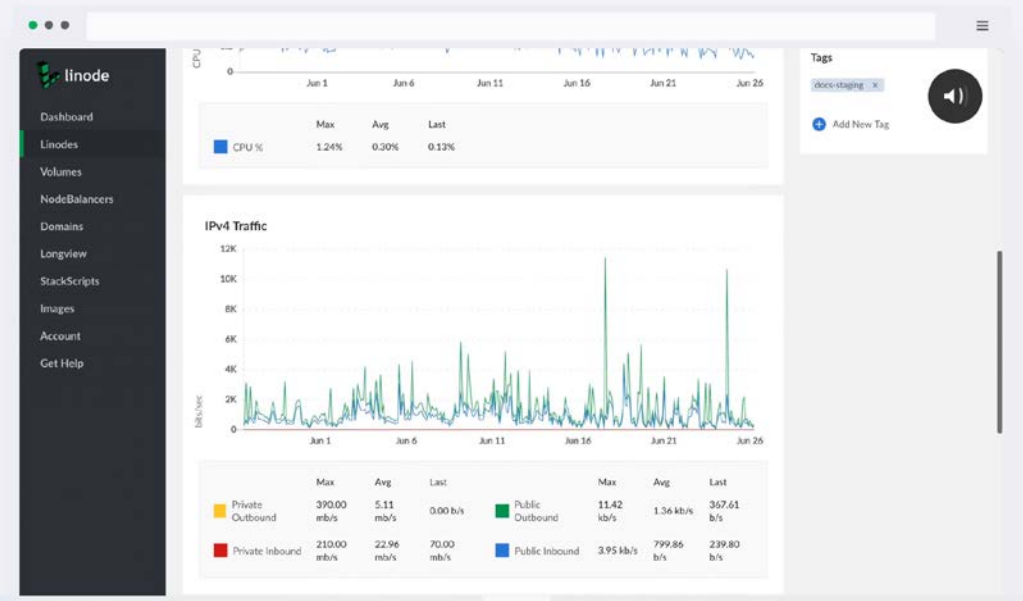
Cloud Manager is a user- and mobile-friendly interface to deploy and manage virtual machines, configure networking, and control user accounts.

Create Account

<https://www.linode.com/products/cloud-manager/>


## Monitor your system-level metrics in one place

Easily analyze performance graphs and keep track of your transfer usage right from the  
Linode Cloud Manager. Create custom alerts for when you near thresholds you set.



<https://www.linode.com/products/monitoring/>





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Skyfactory\_server

Debian 9, Linode 4GB: 2 CPU, 80GB Storage, 4GB RAM

Newark, NJ



volume1

20 GiB

Unattached

Dallas, TX

No items to display.

No items to display.

This Month's Network Transfer Pool

You have used <1% of your available network transfer during the current billing cycle.

Total: 4000 GB

Used: 1 GB


Free: 3999 GB

Back Up Your Data and Keep it Safe

Linode Backup Auto-Enrollment

If you enable this global setting, new Linodes will be automatically enrolled in the Backups service.

<https://www.linode.com/products/cloud-manager/>

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< Linodes **ubuntu-eu-central**

Launch Console  Running ▾

Summary Volumes Networking Resize Rescue Rebuild Backups Activity Settings Advanced

**Dedicated 8GB: 4 CPU, 160GB Storage, 8GB RAM**

**Activity Feed** [View More Activity](#)

Linode ubuntu-eu-central has booted. a few seconds ago

Linode ubuntu-eu-central has been created. a few seconds ago

Last 24 Hours ▾

**CPU Usage**

Graphs for this Linode are not yet available - check back later

**IPv4 Traffic**



Graphs for this Linode are not yet available - check back later

**IPv6 Traffic**

**Linode Details**

Ubuntu 19.04  
Volumes: 0  
Frankfurt, DE

**IP Addresses**


172.105.68.185   
2a01:7e01::f03c:91ff:fe8c:8a23 

**Monthly Network Transfer**

You have used <1% of your available Network Transfer quota for this Linode's plan (5000 GB).

Total: 5000 GB  
Used: 0 bytes  
Free: 5000 GB

<https://www.linode.com/products/cloud-manager/>



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Heuristics Information

### Performance Monitoring

Real-time analytics tracking, per-process and in aggregate, monitoring the performance of your CPU, memory, and network bandwidth.

### Adaptive Themes

The choice is yours. Cloud Manager's interface can be configured for Light or Dark Mode with a flip of a switch.

### Personal Access Tokens

Manage your API Keys and add personal access tokens for more control over your Linode services.

### Compact Mode

Need to see more resources on a single page? Enable "compact" mode to make it easier to view and manage your resources.

### Linode Images

Take a snapshot of your disks and deploy them to any Linode in your account in Cloud Manager.

### User Access Controls

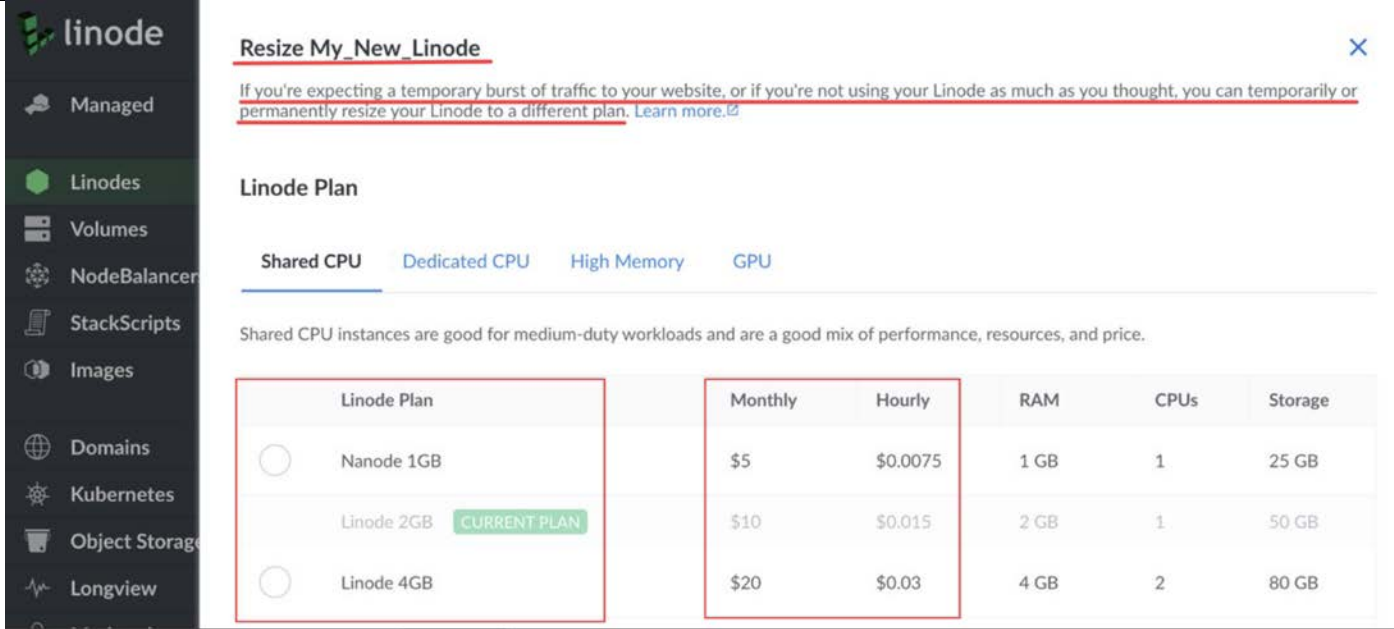
Share access to your Linodes with your team by adding multiple users. Controls are configurable for each individual user.

Cost determination based on heuristics

### Payment and Billing

Manage your account, update payment information, review credits remaining, and print invoices.

<https://www.linode.com/products/cloud-manager/>

	 <p><a href="https://www.linode.com/docs/guides/resizing-a-linode/">https://www.linode.com/docs/guides/resizing-a-linode/</a></p>
<p>receiving, at the server system from the user system, a selection of one of the cloud processing services to perform processing of input data with the at least one computing algorithm.</p>	<p>The accused system practices receiving, at the server system (e.g., Linode cloud server) from the user system (e.g., a user computer), a selection of one of the cloud processing services (e.g., Linode instances, Virtual machines, etc.) to perform processing of input data (e.g., raw data, files, images, etc.) with the at least one computing algorithm (e.g., software, APIs, apps such as marketplace (WooCommerce, PLEX), Kubernetes etc.,).</p> <p>As shown below, the accused system determines processing services such as Linode instances, Virtual machines, etc., to run software, API, etc. It provides Linode cloud manager which analyzes usages pattern, log information, etc. The Linode cloud manager utilizes the analyzed information to recommend Linode processing services optimal to use for the software, API, app, etc. (e.g., selected computing algorithm). It also</p>

provides comparison related to predicted future utilization of currently configured processing services and recommended processing services. It also provides cost information based on the analyzed data. A user can select recommended processing services (e.g., Linode instances, Virtual machines, etc.).

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Kubernetes




Video Streaming




Cloud GPUs



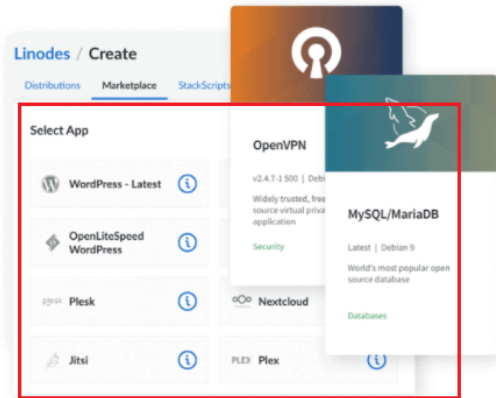
Machine Learning




Marketplace




eLearning



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**GitLab**

Version 13.7.4 | Debian 9

Most popular self-hosted Git tool to manage the DevOps lifecycle

Development




**Plesk**

v17.8 | CentOS 7

Scalable, and versatile website and WordPress management platform

Control Panels




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**WooCommerce**


v4.0.1 | Debian 9

Highly customizable eCommerce platform for WordPress.


Website




**Drupal**



**Shadowsocks**




**WordPress**




**Django**

<https://www.linode.com/marketplace/apps/>





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CLOUD MANAGER

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Skyfactory\_server

Debian 9, Linode 4GB: 2 CPU, 80GB Storage, 4GB RAM

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ubuntu-eu-central

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Rescue

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Advanced

Dedicated 8GB: 4 CPU, 160GB Storage, 8GB RAM

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View More Activity

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Payment and Billing

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### How does hourly billing work?

You are charged the hourly rate for a service up to its monthly cap (rates get rounded up to the nearest hour). For example, if you create a 1GB Linode and delete it after 24 hours of use, you would be billed \$0.18 (24 hours x .0075/hr). You will receive an invoice on the first day of the following calendar month; however, you may receive a mid-month invoice if your account reaches a certain billing limit for Linode services used within a single month. Payment collection occurs automatically once an invoice gets generated. [Learn more.](#)

### What plan should I choose?

If you're not sure, we recommend that you start small and work your way up. You can resize your Linode up or down at any time. If you're planning to migrate your workload from on-premises or between cloud providers, we recommend using our [Total Cost of Ownership Cloud Pricing Calculator](#) to receive a full cost breakdown and technical recommendations. [Learn more.](#)

Cost determination based on heuristics

User can select/remove any VM configuration (cloud processing service)

<https://www.linode.com/pricing/>

# Linode One-Click App Marketplace

Explore and deploy applications in seconds.

Browse Marketplace

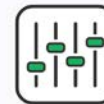
## Fully-configured One-Click Apps

Choose one of the popular marketplace apps, select configuration options, and click deploy. It's that simple. Whether you're setting up a new development environment or a Minecraft server for the kids, you can have your code running with a click.



### App Creation, Simplified


No more jumping through hoops to get your software up and running. Use One-Click to launch new Linodes with ready-to-run apps and services.



### Customize Your Apps

Run your apps the way you want. If the default configuration doesn't meet your needs, you can customize the app's resources, location, metadata, and more during creation.

<https://www.linode.com/marketplace/>




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Highly customizable eCommerce platform for WordPress.


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Drupal



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WordPress



Diango

<https://www.linode.com/marketplace/apps/>

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If you're expecting a temporary burst of traffic to your website, or if you're not using your Linode as much as you thought, you can temporarily or permanently resize your Linode to a different plan. [Learn more.](#)

### Linode Plan

Shared CPU Dedicated CPU High Memory GPU

Shared CPU instances are good for medium-duty workloads and are a good mix of performance, resources, and price.

Linode Plan	Monthly	Hourly	RAM	CPUs	Storage
<input type="radio"/> Nanode 1GB	\$5	\$0.0075	1 GB	1	25 GB
<input type="radio"/> Linode 2GB <span>CURRENT PLAN</span>	\$10	\$0.015	2 GB	1	50 GB
<input type="radio"/> Linode 4GB	\$20	\$0.03	4 GB	2	80 GB
<input type="radio"/> Linode 8GB	\$40	\$0.06	8 GB	4	160 GB
<input type="radio"/> Linode 16GB	\$80	\$0.12	16 GB	6	320 GB

ode-demo123

Create a Linode

...

...

...

Download CSV

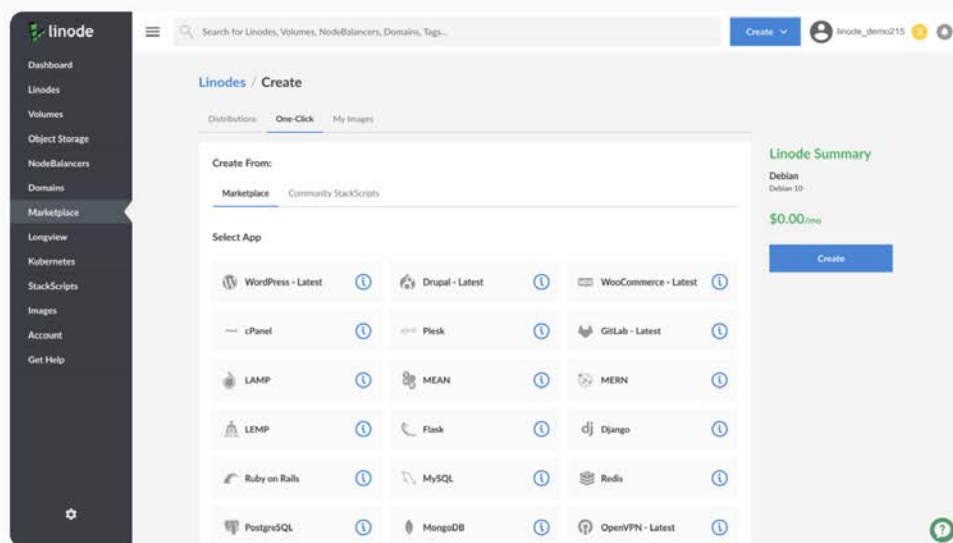
<https://www.linode.com/docs/guides/resizing-a-linode/>



## Deploy WooCommerce with Marketplace Apps

Linode's App Marketplace allows you to easily deploy software on a Linode using the Linode Cloud Manager. To access Linode's App Marketplace:

1. Log in to your [Linode Cloud Manager](#) account.
2. From the Linode dashboard, click on the **Marketplace** button in the left-hand navigation menu.
3. The Linode creation page appears, with the **Marketplace** tab pre-selected.
4. Under the **Select App** section, select the app you would like to deploy:



5. Once you have selected the app, proceed to the app's **Options** section and provide values for the required fields.

## Linode Options

After providing the app specific options, provide configurations for your Linode server:

Configuration	Description
---------------	-------------

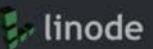
Select an Image	Debian 10 is currently the only image supported by the WooCommerce Marketplace App, and it is pre-selected on the Linode creation page. <i>Required</i>
-----------------	---

Region	The region where you would like your Linode to reside. In general, it's best to choose a location that's closest to you. For more information on choosing a DC, review the <a href="#">How to Choose a Data Center</a> guide. You can also generate <a href="#">MTR reports</a> for a deeper look at the network routes between you and each of our data centers. <i>Required.*</i>
--------	---

Linode Plan	Your Linode's <a href="#">hardware resources</a> . As a plugin for WordPress, WooCommerce is an extremely flexible CMS that can be supported on any size Linode. We suggest you build your WooCommerce app on a Linode plan that reflects how much content you plan on featuring, as well as how much traffic you plan on having on your site. For small sites, a 1GB Linode (Nanode) or a 2GB Linode should be enough. If you decide that you need more or fewer hardware resources after you deploy your app, you can always <a href="#">resize your Linode</a> to a different plan. <i>Required</i>
-------------	--

Linode Label	The name for your Linode, which must be unique between all of the Linodes on your account. This name will be how you identify your server in the Cloud Manager's Dashboard. <i>Required.</i>
--------------	--

<https://www.linode.com/docs/guides/how-to-deploy-woocommerce-with-marketplace-apps/>



- Managed
- Linodes
- Volumes
- NodeBalancer
- StackScripts
- Images
- Domains
- Kubernetes
- Object Storage
- Longview

### Resize My\_New\_Linode

If you're expecting a temporary burst of traffic to your website, or if you're not using your Linode as much as you thought, you can temporarily or permanently resize your Linode to a different plan. [Learn more.](#)

heuristic information can be seen Linode platform or cloud manager

#### Linode Plan

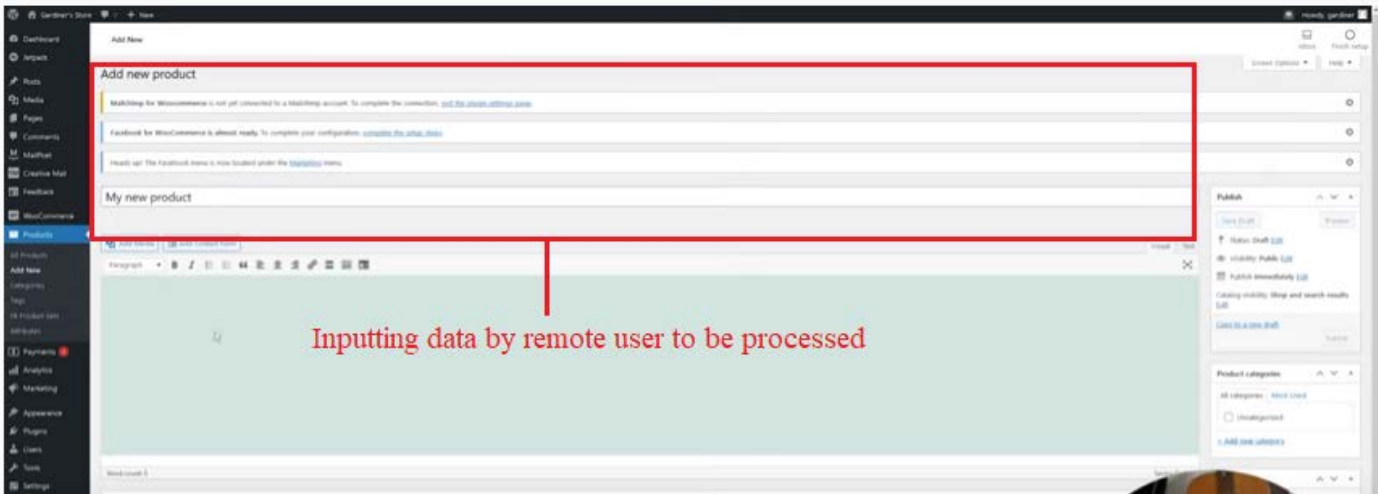
Shared CPU   Dedicated CPU   High Memory   GPU

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user can select any VM based on cost determination   cost determination

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<input type="radio"/> Linode 4GB	\$20	\$0.03	4 GB	2	80 GB

<https://www.linode.com/docs/guides/resizing-a-linode/>



The screenshot shows the WordPress admin interface for adding a new product. A red rectangular box highlights the top portion of the 'Add new product' form, which includes fields for product name, slug, and a description. Below the box, a red arrow points from the text 'Inputting data by remote user to be processed' to the highlighted area. The interface also shows a sidebar with navigation menus and a right-hand panel with product settings.

Inputting data by remote user to be processed

[https://www.youtube.com/watch?v=6VN\\_PH3DBzY&ab\\_channel=Linode](https://www.youtube.com/watch?v=6VN_PH3DBzY&ab_channel=Linode)